## Abstract of the Disclosure

1        The disclosed BTSC encoder includes a left high pass filter means for receiving

2     a digital left channel audio signal and for digitally high pass filtering the digital left

3     channel audio signal and thereby generating a digital left filtered signal; a right high

4     pass filter means for receiving a digital right channel audio signal and for digitally high

5     pass filtering the digital right channel audio signal and thereby generating a digital right

6     filtered signal; a matrix means for receiving the digital left and digital right filtered

7     signals, and including means for summing the digital left and digital right filtered signals

8     and thereby generating a digital sum signal, and including means for subtracting one of

9     the digital left and digital right filtered signals from the other of the digital left and

10    digital right filtered signals and thereby generating a digital difference signal; a

11    difference channel processing means for digitally processing the digital difference signal;

12    and a sum channel processing means for digitally processing the digital sum signal.